OIPE JC15
JAN 21 2003
PATENT & TRADEMARK

Form PTO-1449 (modified)	Atty. Docket No. ARCD:307USD1/GNS	Serial No. 09/768,877
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Kenneth S. Polonsky *et al.*	
	Filing Date: January 23, 2001	Group: ~~1655~~ 1652

Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

U.S. Patents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
DR	A1	5,545,672	08/13/96	Knutson	514	603	07/08/94

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
DR	B1	WO 98/11254	3/19/98	PCT			
DR	B2	WO 96/09317	03/28/96	PCT			
DR	B3	WO 00/09709	02/24/00	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DR	C1	Barnes and Hodgkin, "The *tra-3* sex determination gene of *Caenorhabditis elegans* encodes a member of the calpain regulatory protease family," *EMBO J.*, 15(17):4477-4484, 1996.
	C2	Barrett *et al.*, "L-*trans*-epoxysuccinyl-leucylamido(4-guanidino)butane (E-64) and its analogues as inhibitors of cysteine proteinases including cathepsins B, H and L," *Biochem J.*, 201:189-198, 1982.
	C3	Carafoli and Molinari, "Calpain: a protease in search of a function?", *Biochem. Biophys. Res. Commun.*, 247:193-203, 1998.
	C4	Ciccarese *et al.*, "Preliminary data on a genome search in NIDDM siblings: the NIDDM 1 locus on chromosome 2 is not linked to NIDM in the Sardinian population", *Diabetologia*, 40:1366-1367, 1997.
	C5	Dear *et al.*, "A new subfamily of vertebrate calpains lacking a calmodulin-like domain: implications for calpain regulation and evolution", *Genomics*, 45:175-184, 1997.
DR	C6	Emori *et al.*, "Endogenous inhibitor for calcium-dependent cysteine protease contains four internal repeats that could be responsible for its multiple reactive sites", *Proc. Natl. Acad. Sci. USA* 84:3590-3594, 1987.

25011617.1

EXAMINER: [signature] | DATE CONSIDERED: 3/18/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)	Atty. Docket No. ARCD:307USD1/GNS	Serial No. 09/768,877
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Kenneth S. Polonsky *et al.*	
	Filing Date: January 23, 2001	Group: ~~1655~~ 1652

OIPE JC156 JAN 2 1 2003 PATENT & TRADEMARK OFFICE

Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DR	C7	Figueiredo-Pereira *et al.*, "Comparison of the effect of calpain inhibitors on two extralysosomal proteinases: the multicatalytic proteinase complex and m-calpain", *J Neurochem*, 62:1989-94, 1994.
	C8	Flexner, "HIV-protease inhibitors," *N. Engl. J. Med.*, 338:1281-1292, 1998.
	C9	Ghosh *et al.*, "A large sample of Finnish diabetic sib-pairs reveals no evidence for a non-insulin-dependent diabetes mellitus susceptibility locus at 2qter", *J. Clin. Invest.*, 102:704-709, 1998.
	C10	Hani *et al.*, "Mapping NIDDM susceptibility loci in French families: studies with markers in the region of *NIDDM1* on chromosome 2q," *Diabetes*, 46:1225-1226, 1997.
	C11	Hanis *et al.*, "A genome-wide search for human non-insulin-dependent (type 2) diabetes genes reveals a major susceptibility locus on chromosome 2," *Nature Genet.*, 13:161-166, 1996.
	C12	Hashida *et al.*, "Inhibitions by E-64 derivatives of rat liver cathepsin B and cathepsin L *in vitro* and *in vivo*," *J. Biochem*, 88:1805-1811, 1980.
	C13	Jackson *et al.*, "Obesity and impaired prohormone processing associated with mutations in the human prohormone convertase 1 gene", *Nature Genet.*, 16:303-306, 1997.
	C14	Mahtani *et al.*, "Mapping of a gene for type 2 diabetes associated with an insulin secretion defect by a genome scan in Finnish families", *Nature Genet.*, 14:90-94, 1996.
	C15	Naggert *et al.*, "Hyperproinsulinaemia in obese fat/fat mice associated with a carboxypeptidase E mutation which reduces enzyme activity", *Nature Genet.*, 10:135-141, 1995.
	C16	O'Dowd *et al.*, "Discovery of three novel G-protein-coupled receptor genes", *Genomics*, 47:310-313, 1998.
	C17	Posmantur *et al.*, "A calpain inhibitor attenuates cortical cytoskeletal protein loss after experimental traumatic brain injury in the rat", *Neuroscience*, 77:875-88, 1997.
	C18	Richard *et al.*, "Mutations in the proteolytic enzyme calpain 3 cause limb-girdle muscular dystrophy type 2A", *Cell*, 81:27-40, 1995.
	C19	Saido *et al.*, "Calpain: new perspectives in mollecular diversity and physiological-pathological involvement," *FASEB J.*, 8:814-822, 1994.
DR	C20	Smith *et al.*, "The insulin-induced down-regulation of IRS-1 in 3T3-L1 adipocytes is mediated by a calcium-dependent thiol protease", *Mol. Cell. Endocrinol.*, 122:81-92, 1996.

25011617.1

EXAMINER: _____ DATE CONSIDERED: 3/18/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)	Atty. Docket No. ARCD:307USD1/GNS	Serial No. 09/768,877
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Kenneth S. Polonsky *et al.*	
	Filing Date: January 23, 2001	Group: ~~1655~~ 1652

Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

OIPE
JAN 2 1 2003
PATENT & TRADEMARK

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DR	C21	Spielman and Ewens, "A sibship test for linkage in the presence of association: the sib transmission/disequilibrium test", *Am. J. Hum. Genet.*, 62:450-458, 1998.
	C22	Thomas *et al.*, "Genetic linkage study of a major susceptibility locus (D2S125) in a British population of non-insulin dependent diabetic sib-pairs using a simple non-isotopic screening method," *Hum. Genet.*, 101:212-213, 1997.
	C23	Tsujinaka *et al.*, "Synthesis of a new cell penetrating calpain inhibitor calpeptin," ABSTRACT, *Biochem. and Biophys. Res. Comm.*, 153(3): 1201-1208, 1988.
	C24	Ueda *et al.*, "Evidence for the participation of the proteasome and calpain in early phases of muscle cell differentiation", *Int. J. Biochem. Cell Biol.*, 30:679-94, 1998.
	C25	Villa *et al.*, "Calpain inhibitors, but not caspase inhibitors, prevent actin proteolysis and DNA fragmentation during apoptosis", *J. Cell. Sci.*, 111:713-22, 1998.
	C26	Waxman and Krebs, "Identification of two protease inhibitors from bovine cardiac muscle," *J. Biol. Chem.* 253:5888-5891, 1978.
DR	C27	Zimmerman *et al.*, "Inhibition of secretion from isolated rat alveolar epithelial type II cells by the cell permeant calpain inhibitor II (N-acetyl-leucyl-leucyl-methioninal)", *Cell. Calcium*, 18:1-8, 1995.
	C28	Braun *et al.*, "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online!, XP002139084 Abstract
	C29	Braun *et al.*, "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online!, XP002139083 Abstract
DR	C30	Cox *et al.*, "Loci on chromosomes 2 (NIDDM1) and 15 interact to increase susceptibility to diabetes in Mexican Americans," *Nature Genetics*, 21:213-215, 1999.
	C31	Terada *et al.*, "Delayed wallerian degeneration and increased neurofilament phosphorylation in sciatic nerves of rats with streptozocin-induced diabetes," *J Neuro Sci.*, 155:23-30, 1998.
	C32	Wang and Yuen, "Calpain inhibition: an overview of its therapeutic potential," *TIPS*, 15:412-417, 1994.
DR	C33	Saido *et al.*, "Calpain: new perspectives in molecular diversity and physiological-pathological involvement," *FASEB*, 8:814-822, 1994.

25011617.1

EXAMINER:	DATE CONSIDERED: 3/18/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)	Atty. Docket No. ARCD:307USD1/GNS	Serial No. 09/768,877
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Kenneth S. Polonsky *et al.*	
	Filing Date: January 23, 2001	Group: ~~1655~~ 1652

OIPE JC156 JAN 2 1 2003 PATENT & TRADEMARK OFFICE

Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page 1*	*See Page 1*

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
DR	C34	Carafoli *et al.*, "Calpain: a protease in search of a function?," *Biochem. Biophys. Res. Commun.*, 247:193-203, 1998.

25011617.1

EXAMINER: | DATE CONSIDERED: 3/18/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.